

Amendments to the claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

Claims 1-18 (canceled)

Claim 19 (Currently Amended) A method for providing information related to one or more probe sets, wherein each probe-set has one or more identifiers comprising:

~~the act of receiving from a user a selection of~~ a first set of one or more of the probe-set identifiers, wherein each probe-set is capable of the identification of a biological molecule;

~~the act of correlating the first set of probe-set identifiers with a first set of one or more data;~~

~~the act of correlating each of the first set of data with a second set of one or more data; and~~

~~the act of providing the second set of data to the a user.~~

Claims 20 – 48 (canceled)

Claim 49 (Currently Amended) A system for providing information related to one or more probe sets, comprising:

an input manager ~~constructed and arranged to receive~~ for receiving one or more probe-set identifiers associated with one or more probe sets;

a determiner ~~constructed and arranged to correlate~~ for correlating the probe-set identifiers with a first set of data; and

a correlator ~~constructed and arranged to correlate~~ for correlating the first set of data with a second set of data;

wherein the probe-set identifiers include one or more of accession number, manufacturer-defined probe set identifier, biological sequence, or annotation term, and further wherein the first set of data includes biological sequence or structure data, and still further wherein the second set of data includes a probe-set identifier or protein information.

Claim 50 (Currently Amended) The system of claim 49, wherein:

The the protein information includes biological process, molecular function, or cellular location information.

Claim 51 (Currently Amended) The system of claim 50, wherein:

The the protein information includes information related to protein domain, sequence homology, complex membership, pathway, biological system role, or interaction with other proteins or biological molecules.

Claims 52 – 60 (canceled)

61. (New) The method of claim 19, wherein:

the probe-set identifiers include one or more of accession number, manufacturer-defined probe-set identifier, biological sequence, or annotation term.

62. (New) The method of claim 19, wherein:

the first set of data includes biological sequence or structure data.

63. (New) The method of claim 19, wherein:

the second set of data includes a probe-set identifier or protein information.

64. (New) The method of claim 63, wherein:

the protein information includes biological process, molecular function, or cellular location information.

65. (New) The method of claim 64, wherein:

the protein information includes information related to protein domain, sequence homology, complex membership, pathway, biological system role, or interaction with other proteins or biological molecules.

66. (New) The system of claim 49, further comprising:

an output manager constructed and arranged to provide the second set of data to the user.